

Application Number

10/696,476

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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October 29, 2003

First Named Inventor

Jason D. Bonk

Art Unit

Unknown 1625

Examiner Name

Unknown

Attorney Case Number

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U.S. Patent Documents

| Exam. Init.* | Cite No. | Document Number | Publication Date or Issue Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------|-------------|----------------------------------|---|--|---|
| | | Doc. Number-(Kind Code if Known) | | | |
| JN | A1 | US- 3,314,941 | 04-18-1967 | Littell et al. | |
| | A2 | US- 4,689,338 | 08-25-1987 | John F. Gerster | |
| | A3 | US- 4,698,348 | 10-06-1987 | John F. Gerster | |
| | A4 | US- 4,929,624 | 05-29-1990 | Gerster et al. | |
| | A5 | US- 4,988,815 | 01-29-1991 | Andre et al. | |
| | A6 | US- 5,037,986 | 08-06-1991 | John F. Gerster | |
| | A7 | US- 5,175,296 | 12-29-1992 | Gerster | |
| | A8 | US- 5,238,944 | 08-24-1993 | Wick et al. | |
| | A9 | US- 5,266,575 | 11-30-1993 | John F. Gerster | |
| | A10 | US- 5,268,376 | 12-07-1993 | John F. Gerster | |
| | A11 | US- 5,346,905 | 09-13-1994 | John F. Gerster | |
| | A12 | US- 5,352,784 | 10-04-1994 | Nikolaides et al. | |
| | A13 | US- 5,367,076 | 11-22-1994 | Gerster | |
| | A14 | US- 5,389,640 | 02-14-1995 | Gerster et al. | |
| | A15 | US- 5,395,937 | 03-07-1995 | Nikolaides et al. | |
| | A16 | US- 5,446,153 | 08-29-1995 | Lindstrom et al. | |
| | A17 | US- 5,482,936 | 01-09-1996 | Kyle J. Lindstrom | |
| | A18 | US- 5,693,811 | 12-02-1997 | Lindstrom | |
| | A19 | US- 5,741,908 | 04-21-1998 | Gerster et al. | |
| | A20 | US- 5,756,747 | 05-26-1998 | Gerster et al. | |
| | A21 | US- 5,939,090 | 08-17-1999 | Beaurline et al. | |
| | A22 | US- 6,039,969 | 03-21-2000 | Tomai et al. | |
| | A23 | US- 6,069,149 | 05-30-2000 | Nanba et al. | |
| | A24 | US- 6,083,505 | 07-04-2000 | Miller et al. | |
| | A25 | US- 6,110,929 | 08-29-2000 | Gerster et al. | |
| | A26 | US- 6,194,425 | 02-27-2001 | Gerster et al. | |
| | A27 | US- 6,245,776 | 06-12-2002 | Skwirczynski et al. | |
| JN | A28 | US- 6,331,539 | 12-18-2001 | Crooks et al. | |

*Examiner:

E. Huang

Date Considered:

10/28/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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|--------------|----------|----------------------------------|--|---|---|
| | | Doc. Number-(Kind Code if Known) | | | |
| 8/14 | A29 | US- 6,376,669 | 04-23-2002 | Rice et al. | |
| | A30 | US- 2002/0055517 A1 | 05-09-2002 | Smith | |
| | A31 | US- 2002/0058674 A1 | 05-16-2002 | Hedenstrom et al. | |
| | A32 | US- 6,451,810 | 09-17-2002 | Coleman et al. | |
| | A33 | US- 6,518,265 | 02-11-2003 | Kato et al. | |
| | A34 | US- 6,525,064 | 02-25-2003 | Dellaria et al. | |
| | A35 | US- 6,541,485 | 04-01-2003 | Crooks et al. | |
| | A36 | US- 6,545,016 | 04-08-2003 | Dellaria et al. | |
| | A37 | US- 6,545,017 | 04-08-2003 | Dellaria et al. | |
| | A38 | US- 6,558,951 | 05-06-2003 | Tomai et al. | |
| | A39 | US- 6,573,273 | 06-03-2003 | Crooks et al. | |
| | A40 | US- 6,656,938 | 12-02-2003 | Crooks et al. | |
| | A41 | US- 6,660,735 | 12-09-2003 | Crooks et al. | |
| | A42 | US- 6,664,264 | 12-16-2003 | Dellaria et al. | |
| | A43 | US- 6,664,265 | 12-16-2003 | Crooks et al. | |
| 8/14 | A44 | US- 6,667,312 | 12-23-2003 | Bonk et al. | |

Foreign Patent Documents

| Exam. Init.* | Cite No. | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation (Check if yes) |
|--------------|----------|-------------------------|-----------------------------|--------------------------------|---|---|-------------------------------|
| | | Ctry. Code | Number-Kind Code (if known) | | | | |
| 8/14 | B1 | PCT | WO 01/74343 | 10-11-2001 | | | |
| | B2 | PCT | WO 02/36592 | 05-10-2002 | | | X |
| | B3 | PCT | WO 02/46188 | 06-13-2002 | | | |
| | B4 | PCT | WO 02/46189 | 06-13-2002 | | | |
| | B5 | PCT | WO 02/46190 | 06-13-2002 | | | |
| | B6 | PCT | WO 02/46193 | 06-13-2002 | | | |
| | B7 | PCT | WO 02/46749 | 06-13-2002 | | | |
| | B8 | PCT | WO 02/102377 | 12-27-2002 | | | |
| 8/14 | B9 | PCT | WO 03/020889 | 03-13-2003 | | | |

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|--------------|----------|-------------------------|-----------------------------|--------------------------------|--|---|-------------------------------|
| | | Ctry. Code | Number-Kind Code (If known) | | | | |
| JH | B10 | PCT | WO 03/043572 | 05-30-2003 | | | |
| | B11 | PCT | WO 03/045391 | 06-05-2003 | | | |
| | B12 | JP | 9-208584 | 08-12-1997 | | | |
| | B13 | JP | 9-255926 | 03-26-1999 | | | X |
| | B14 | JP | 11-222432 | 08-17-1999 | | | X |
| | B15 | JP | 2000-247884 (abs) | 09-12-2000 | | | X |
| | B16 | EP | 0 394 026 | 10-24-1990 | | | |
| JH | B17 | EP | 1 104 764 | 06-06-2001 | | | |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Exam. Init.* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|--------------|----------|--|
| JH | C1 | Wozniak, et al, "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate ^{1,2} . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983. |
| | C2 | Brennan, et al, "Automated Bioassay of Interferons in Micro-test Plates", <u>Biotechniques</u> , June/July, 78, 1983. |
| | C3 | Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995. |
| | C4 | Bachman, et al, "Synthesis of Substituted Quinolyamines. Derivatives of 4-Amino-7-Chloroquinoline", <u>J. Org. Chem.</u> , 15, pp 1278-1284 (1950). |
| | C5 | Jain, et al, "Chemical and Pharmacological Investigations of Some ω -Substituted Alkylamino-3-aminopyridines", <u>J. Med. Chem.</u> , 11, pp 87-92 (1968). |
| | C6 | Baranov, et al., <u>Chem. Abs.</u> 85, 94362, (1976). |
| | C7 | Berényi, et al, "Ring Transformation of Condensed Dihydro-as-triazines", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981). |
| | C8 | Chollet, et al, "Development of a Topically Active Imiquimod Formulation", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999) |
| | C9 | Izumi, et al., "1H-Imidazo[4,5-c]quinoline Derivatives as Novel Potent TNF- α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1H-imidazo[4,5-c]pyridines", <u>Bioorganic & Medicinal Chemistry</u> , 11, pp 2541-2550 (2003) |
| JH | C10 | Sidky et al., "Inhibition of Murine Tumor Growth by an Interferon-inducing Imidazoquinolinamine", <u>Cancer Research</u> , 52, 3528-3533, July 1, 1992. |

*Examiner:

Su Huang

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10/22/04

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Substitute for form 1449A/PTO (modified)

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| Exam. Init.* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|-----------------|-------------|--|
| AS | C11 | R.L. Miller et al., "Imiquimod applied topically: a novel immune response modifier and new class of drug", <u>International Journal of Immunopharmacology</u> , 21, 1-14 (1999). |
| | C12 | Karl R. Beutner, MD, et al., "Therapeutic response of basal cell carcinoma to the immune response modifier imiquimod 5% cream", <u>J.Am.Acad.Dermatol.</u> , Volume 41, Number 6, 1002-1007 (December 1999). |
| | C13 | Davis et al., "Self-Administered Topical Imiquimod Treatment of Vulvar Intraepithelial Neoplasia", <u>Journal of Reproductive Medicine</u> , Volume 45, Number 8, 619-623, (August 2000). |
| AS | C14 | Alexander Steinmann et al., "Topical Imiquimod Treatment of a Cutaneous Melanoma Metastasis", <u>J.Am.Acad.Dermatol.</u> , Letters, 555-556 (September 2000). |

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